

ABSTRACT OF THE DISCLOSURE

The present invention relates to a data file system having: a data access server that has a physical storage for storing data and accesses the physical storage in response to an access request; and a data file server that performs data filing by transmitting an access request to the data access server and using the data access server for data saving. When a logical block becomes unused, the physical block associated with the logical block is effectively released.

For example, data backup software that accesses all the physical blocks being used within a predetermined time is activated to search through logical blocks assigned respective physical blocks for a logical block for which no access request is made within the predetermined time during which the data backup software runs. The physical block associated with the logical block is released from the association and included in unused physical blocks.